

FIG. 1

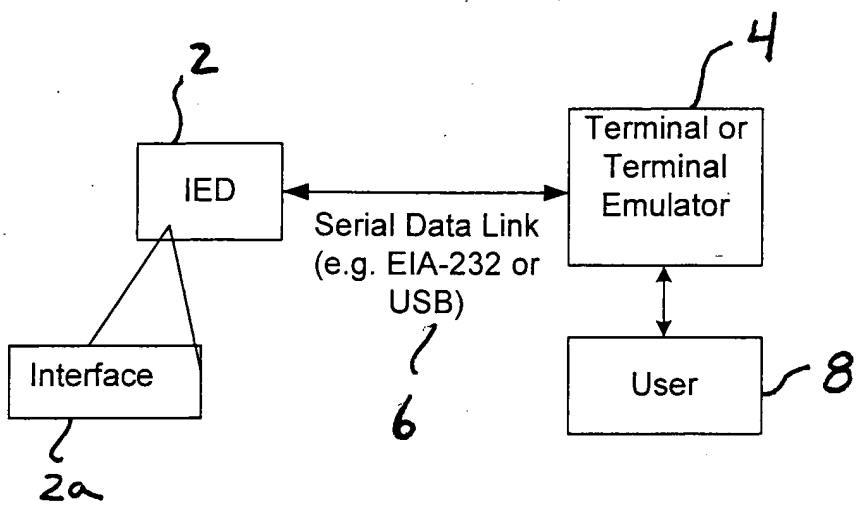
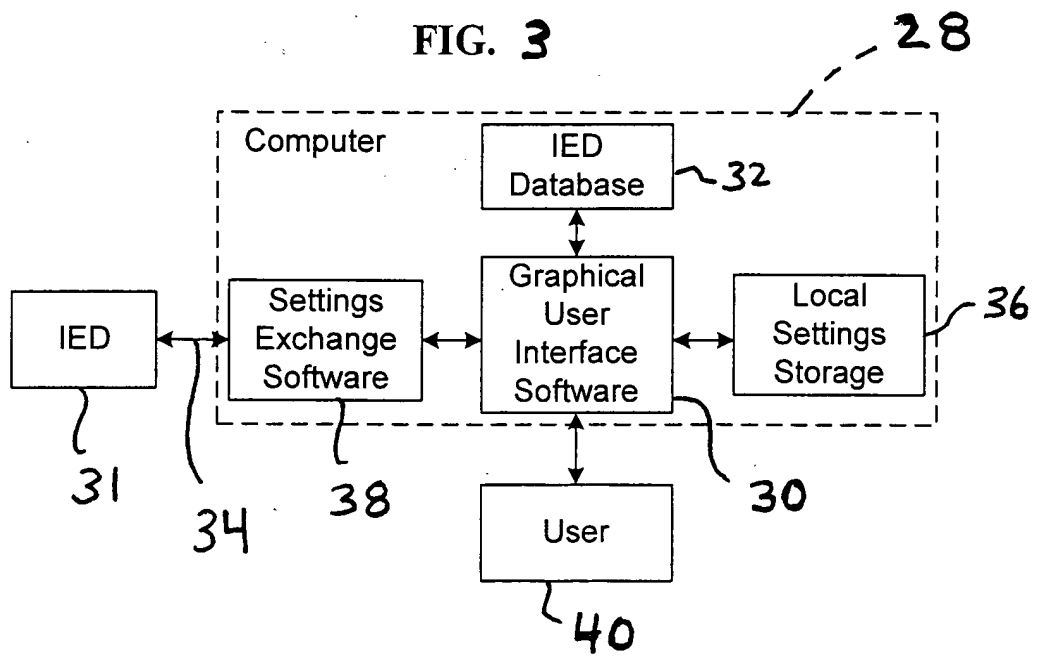


FIG. 3



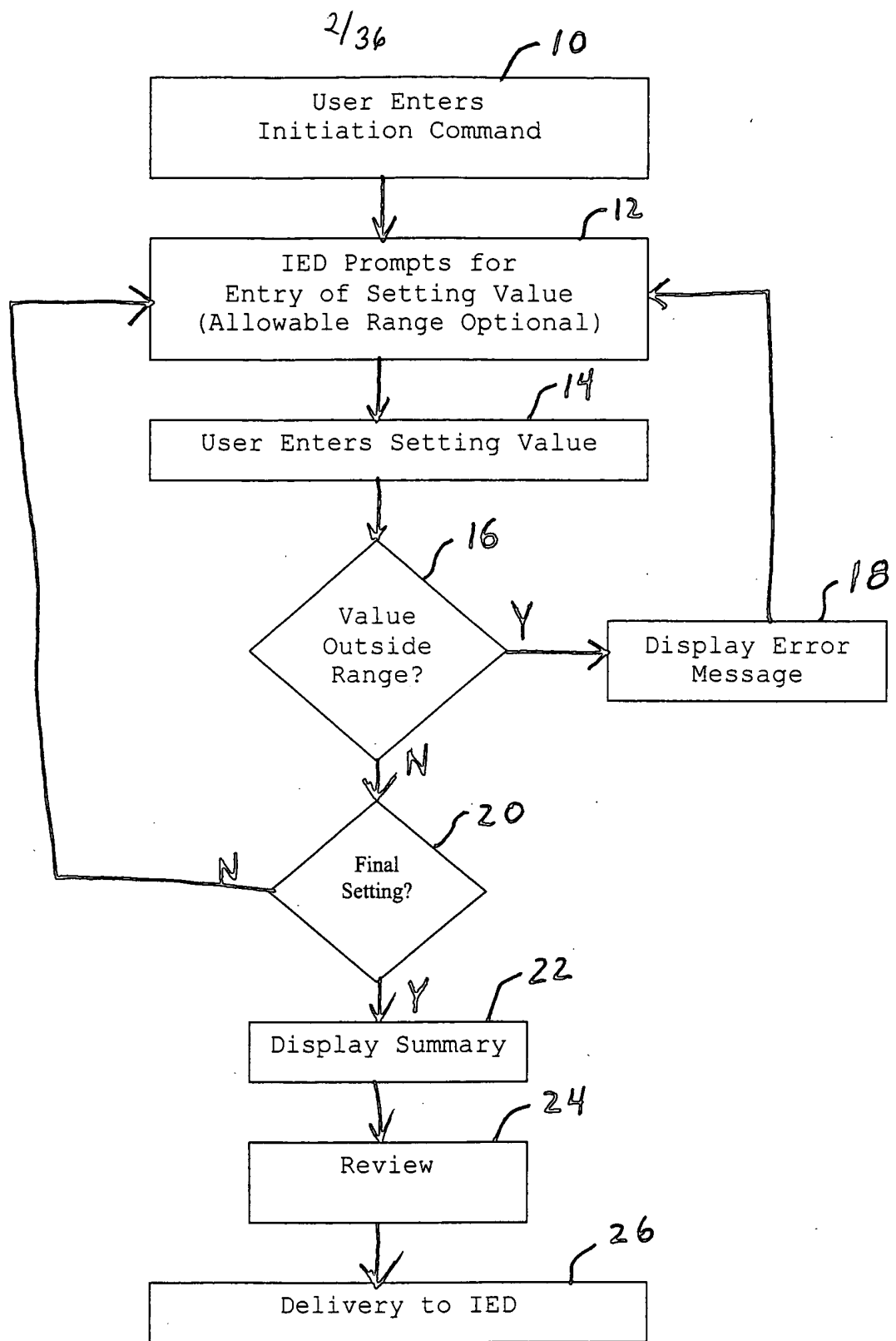
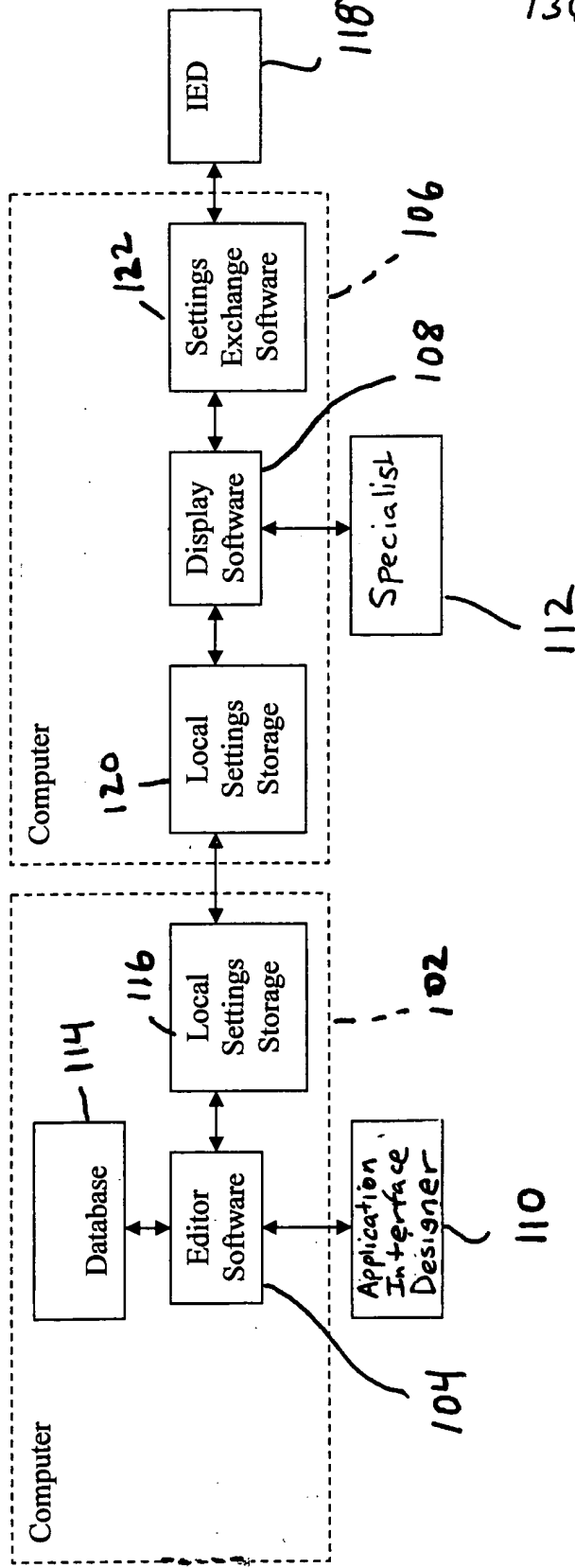


FIG. 2

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FIG. 4



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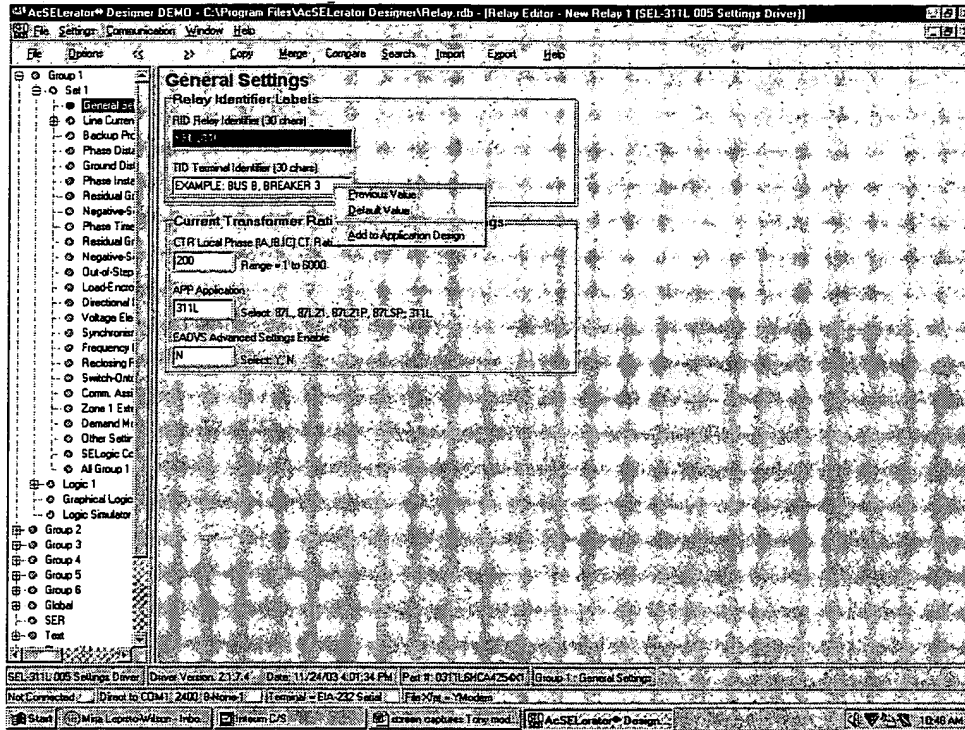


FIG. 5A

The screenshot displays the SEL 311L Settings Driver application interface. The main window is titled "SEL 311L 005 Settings Driver" and shows the "General Settings" for "Group 1". The "Equation" field contains the text "I1_TID = (UV_Group_1_TID)" and "I1_RID = (UV_Group_1_RID)". The "Evaluation of Equation" field shows "EXAMPLE: BUS 8, BREAKER 3" and "SEL 311L". The "Set Value" field shows "EXAMPLE: BUS 8, BREAKER 3" and "SEL 311L". The "Relay Setting Range" field shows "ASCII string with a maximum length of 30" and "ASCII string with a maximum length of 30". A "Variable Selection List" is on the left. A "Set Properties for Group_1_TID" dialog box is open, showing fields for "Terminal Identifier", "Units", "Range", and "Comments". The "Range" field is set to "0.0-100.0 OFF: 0.25, A, B". The "Comments" field is set to "ASCII string with a maximum length of 30". The dialog box has "OK" and "Cancel" buttons.

FIG. 5B

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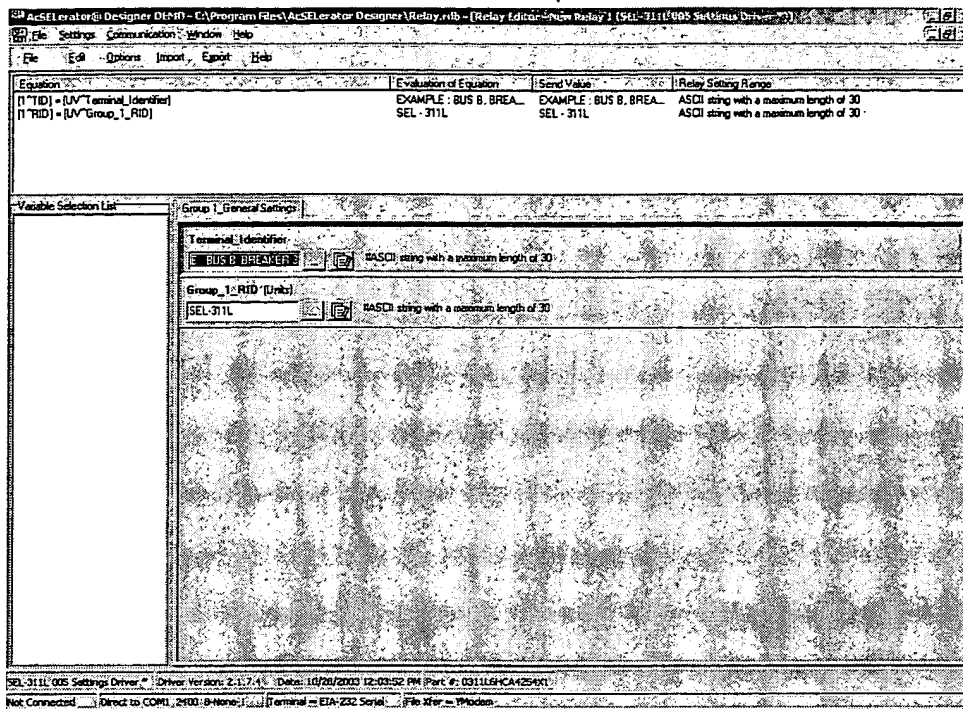


FIG. 5C

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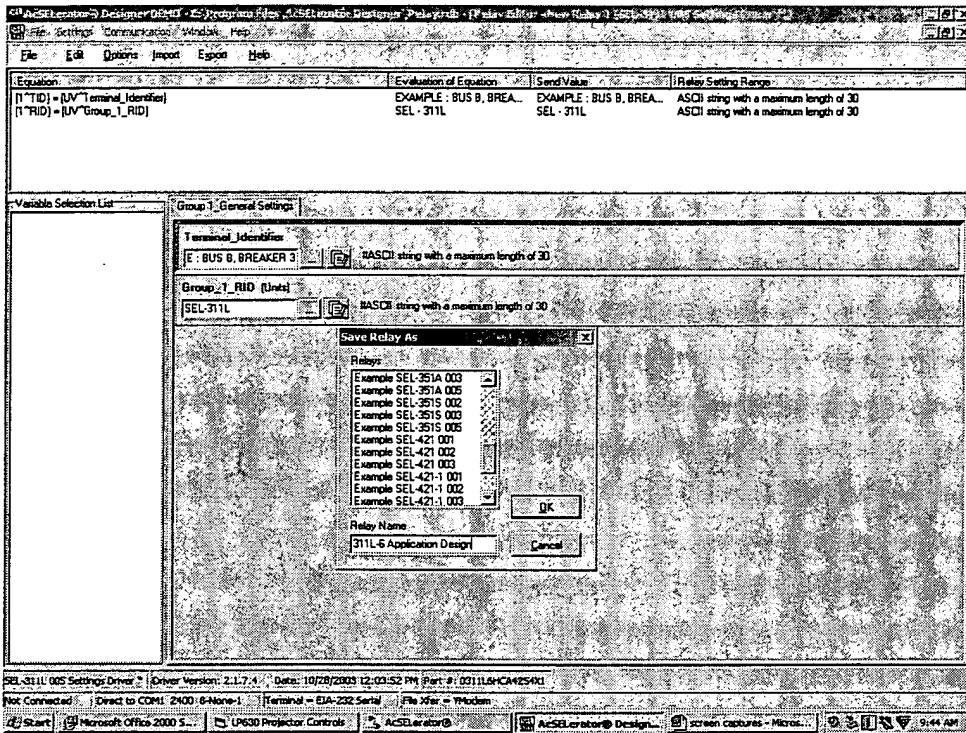


FIG. 5D

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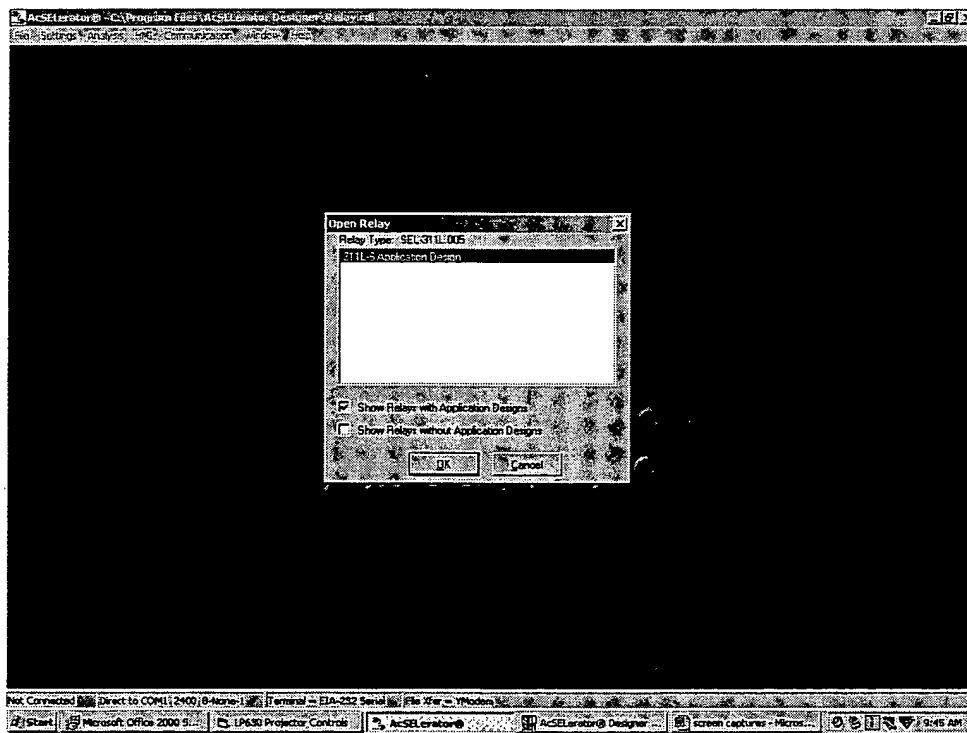
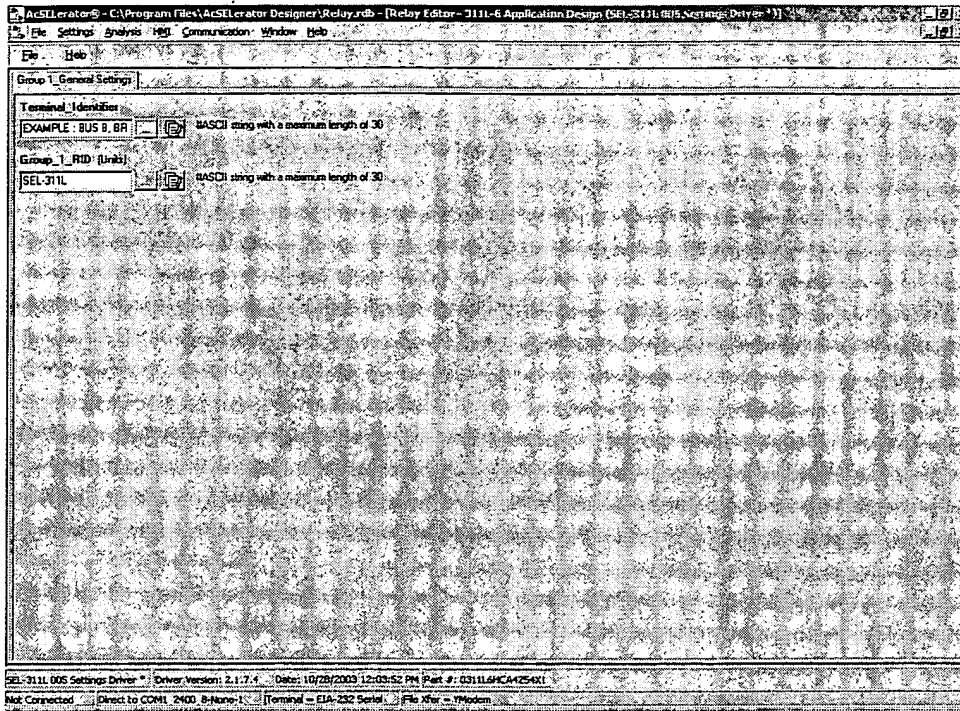


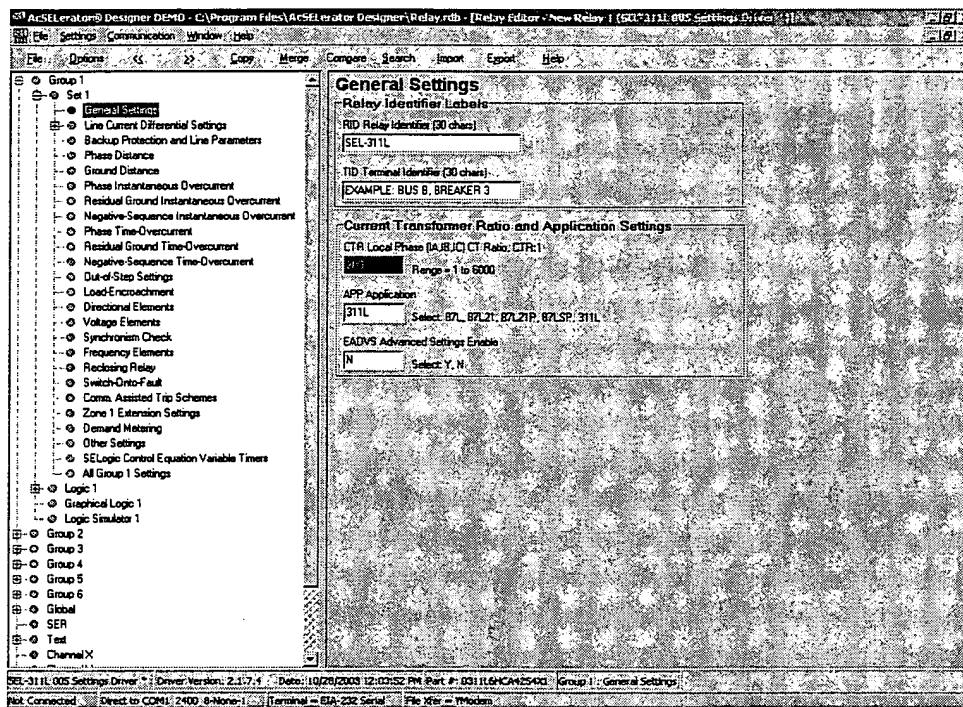
FIG. 5E

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FIG. 5F



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F15.6A

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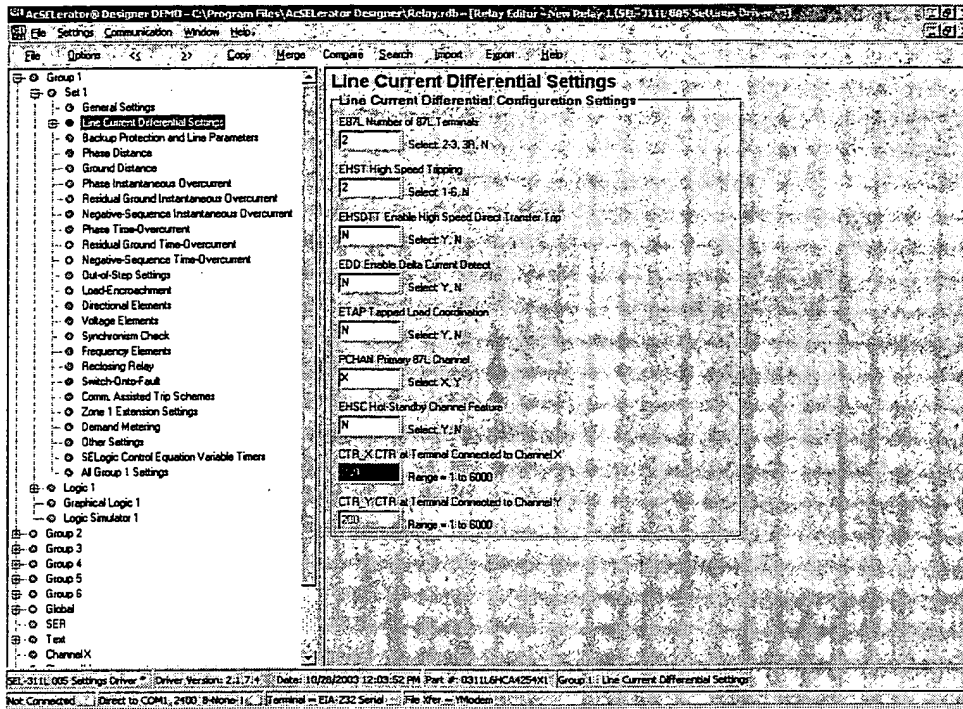


FIG. 6B

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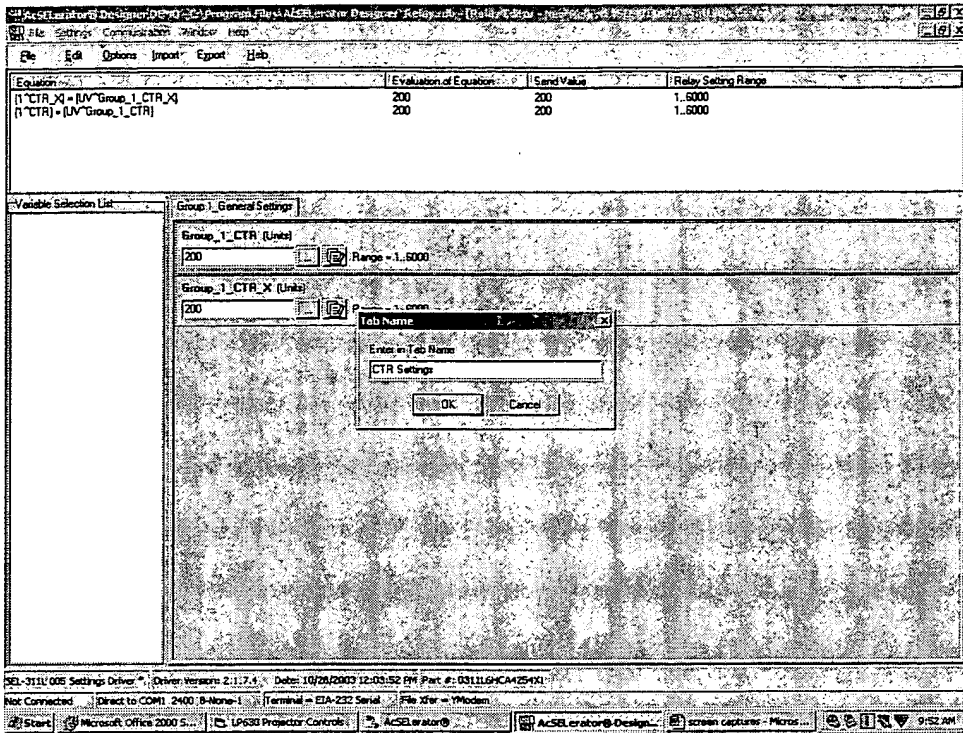


FIG. 6C

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ASSET Editor Designer DEMO - C:\Program Files\ASSET Editor Designer\Relay.mdi - [Relay Editor - New Order] 11/01/2003 11:00:05 Settings Driver...

File Edit Options Import Export Help

Equation	Evaluation of Equation	Send Value	Relay Setting Range
I ¹ CTR_X0 = [UV Group_1_CTR_X_1]	200	200	1..6000
I ¹ CTR = [UV Group_1_CTR_1]	200	200	1..6000

Variable Selection List

CTR Settings

Group_1_CTR_1 [Units]
200 Range = 1..6000

Group_1_CTR_X_1 [Units]
200 Range = 1..6000

SEL-311L 005 Settings Driver... Driver Version: 2.1.7.4 Date: 10/29/2003 12:03:52 PM Part #: 031116HCA4254x1
Not Connected Direct to COM1 2400 8-NONE-1 Terminal = EIA-232 Serial File Xfer = YModem

FIG. 6D

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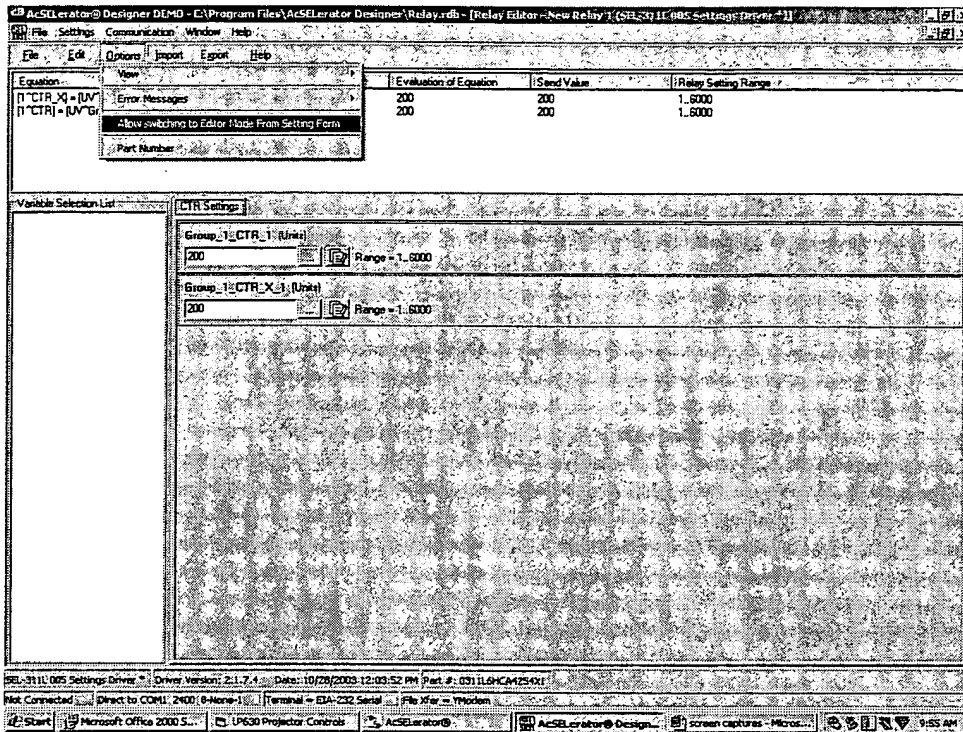


FIG. 6E

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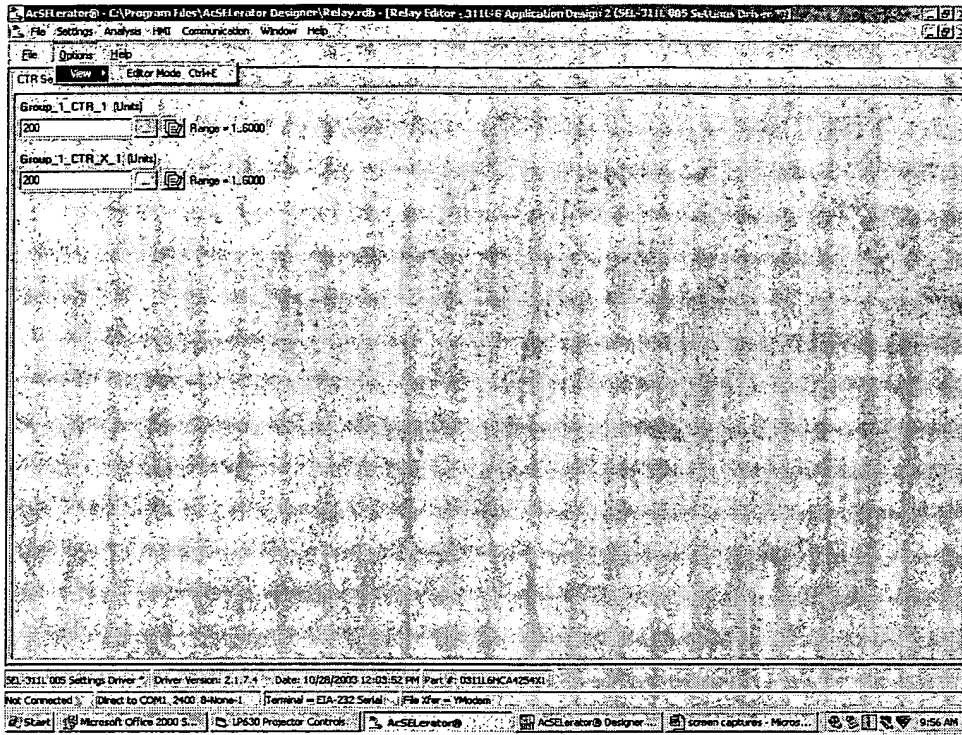


FIG. 6F

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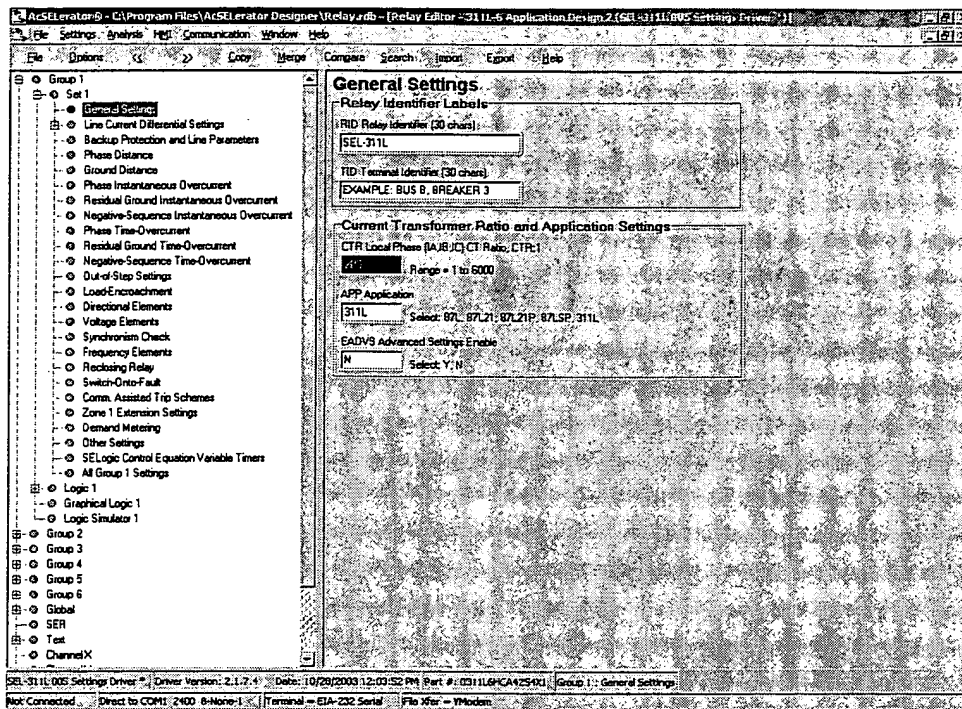


FIG. 6G

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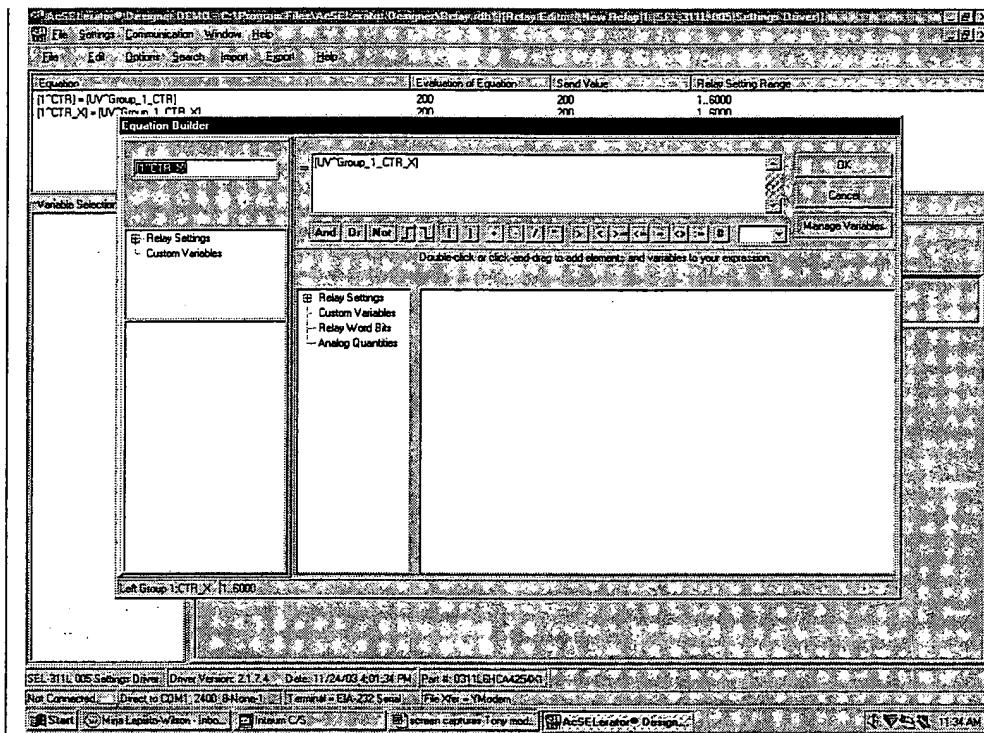


FIG. 7A

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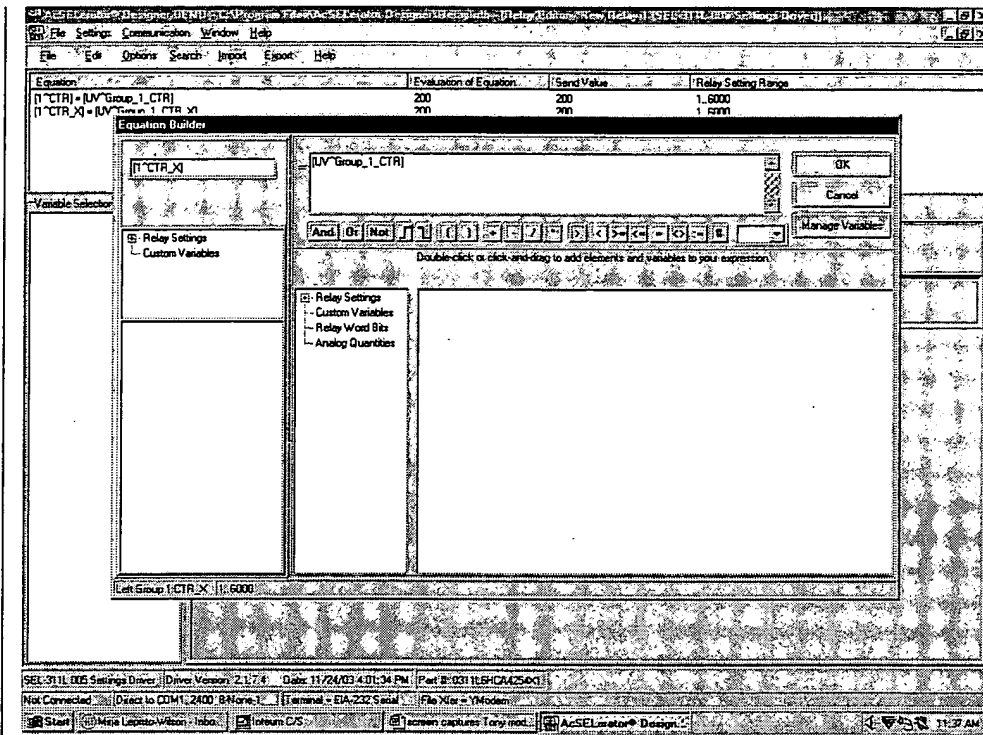


FIG. 7B

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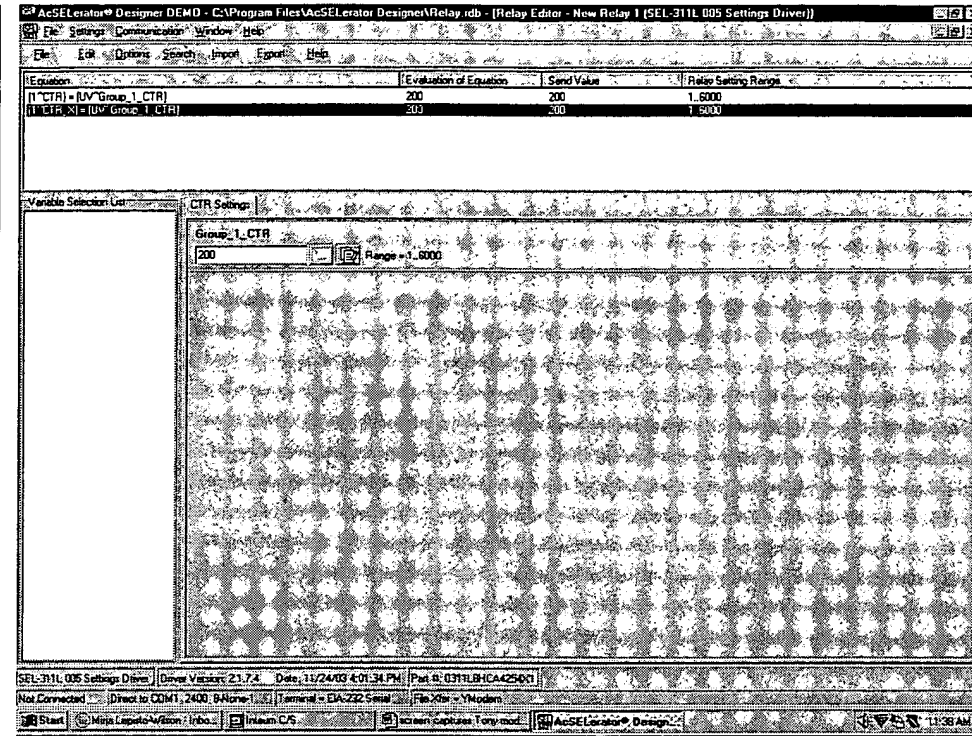


FIG. 7C

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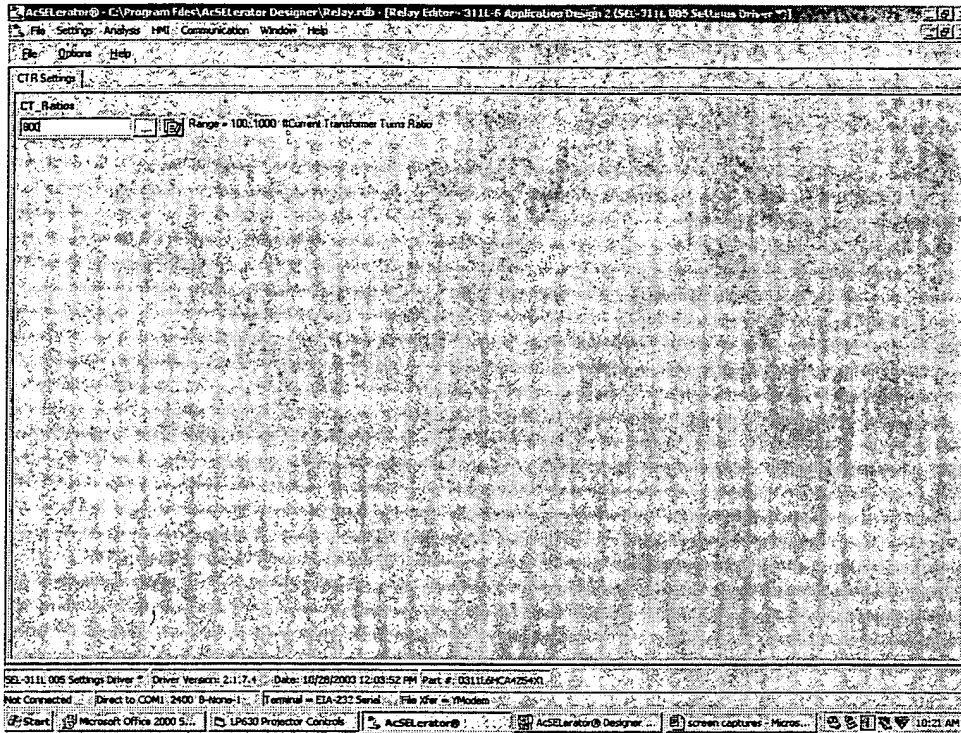


FIG. 7D

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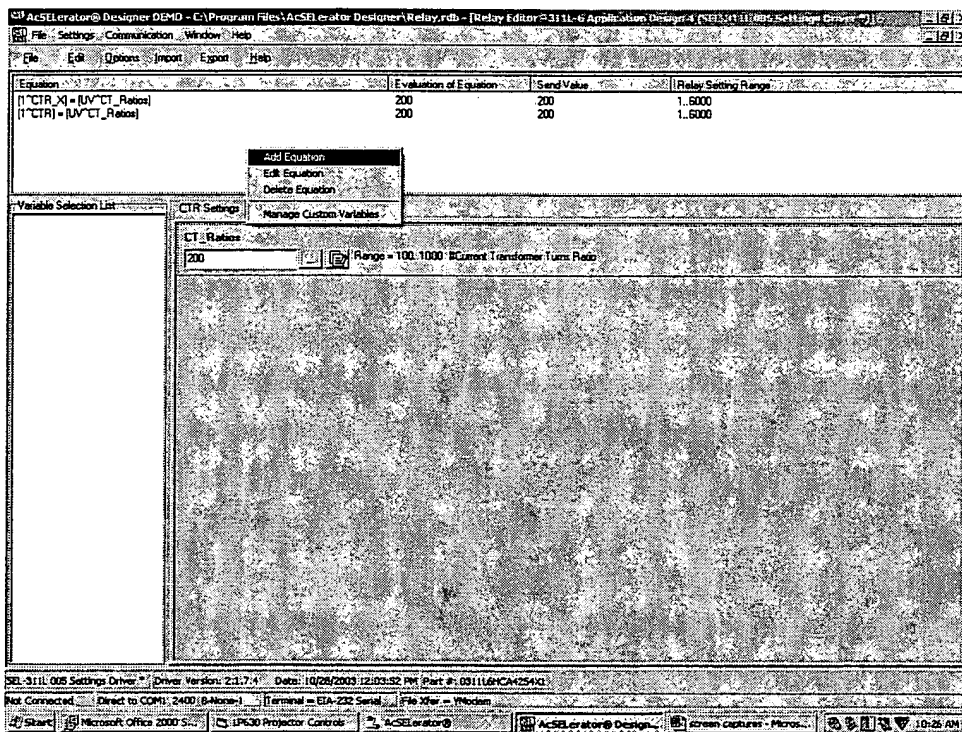


FIG. 8A

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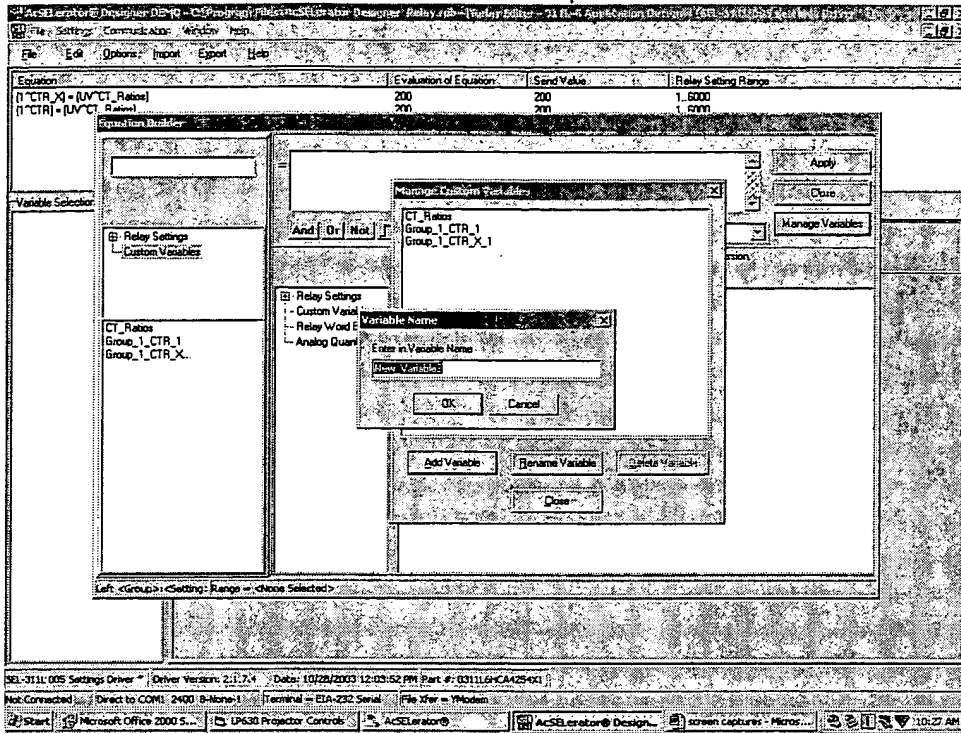


FIG. 8B

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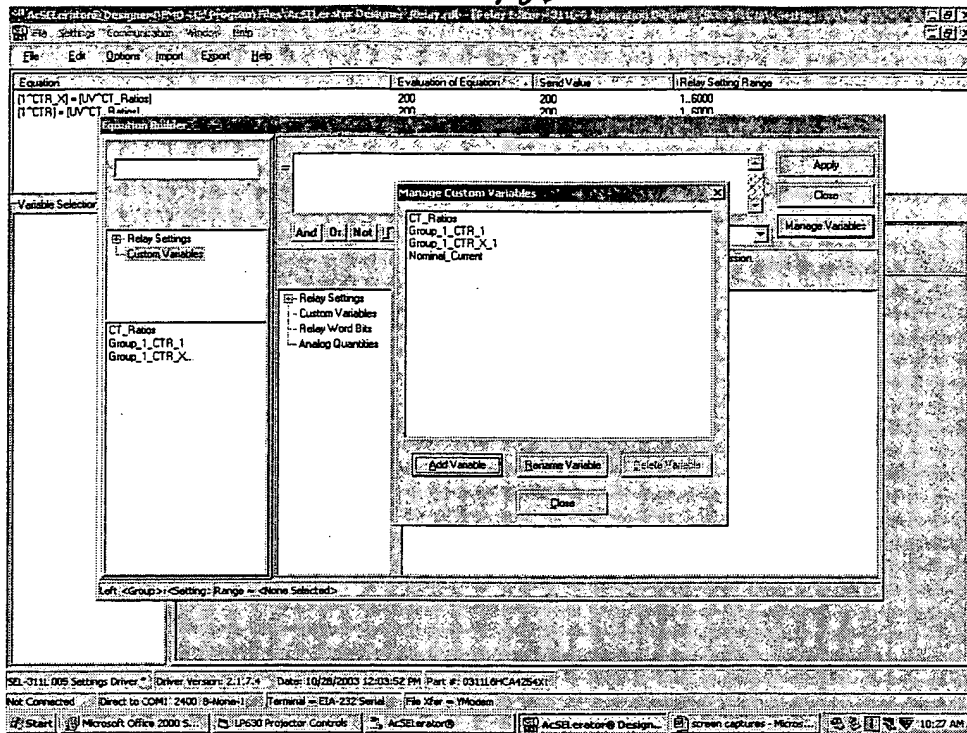


FIG. 8C

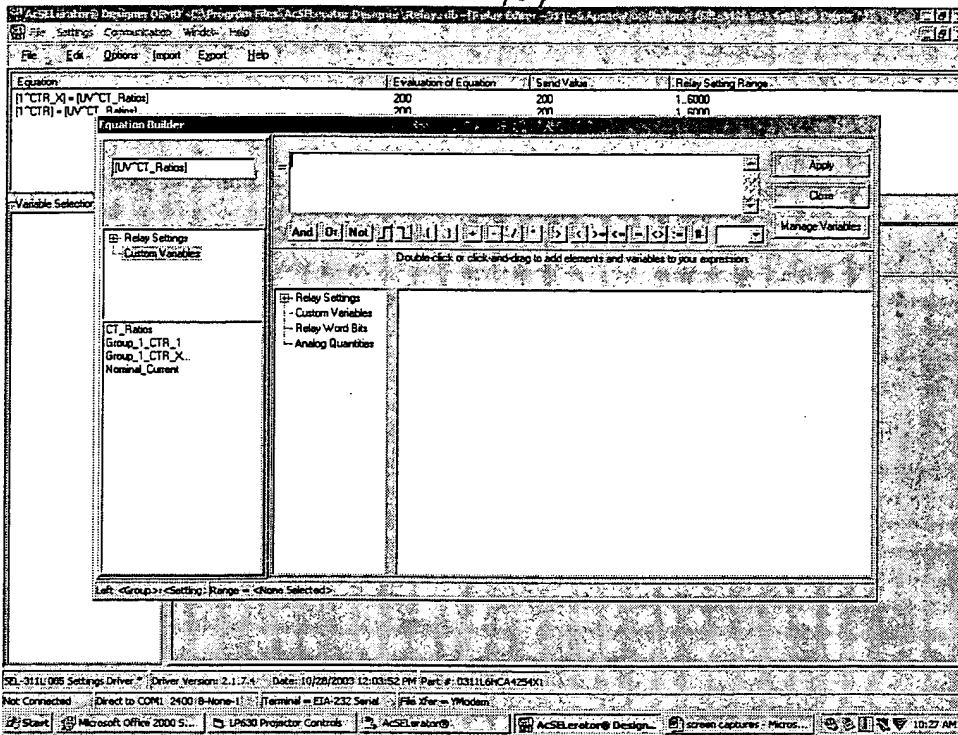


FIG. 8D

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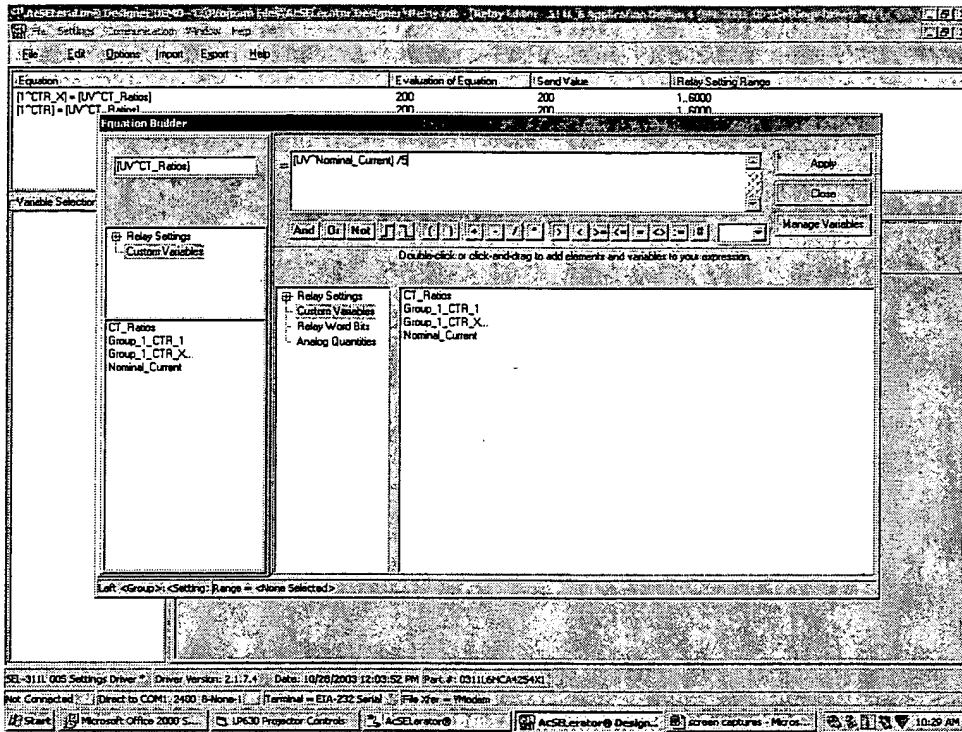


FIG. 8E

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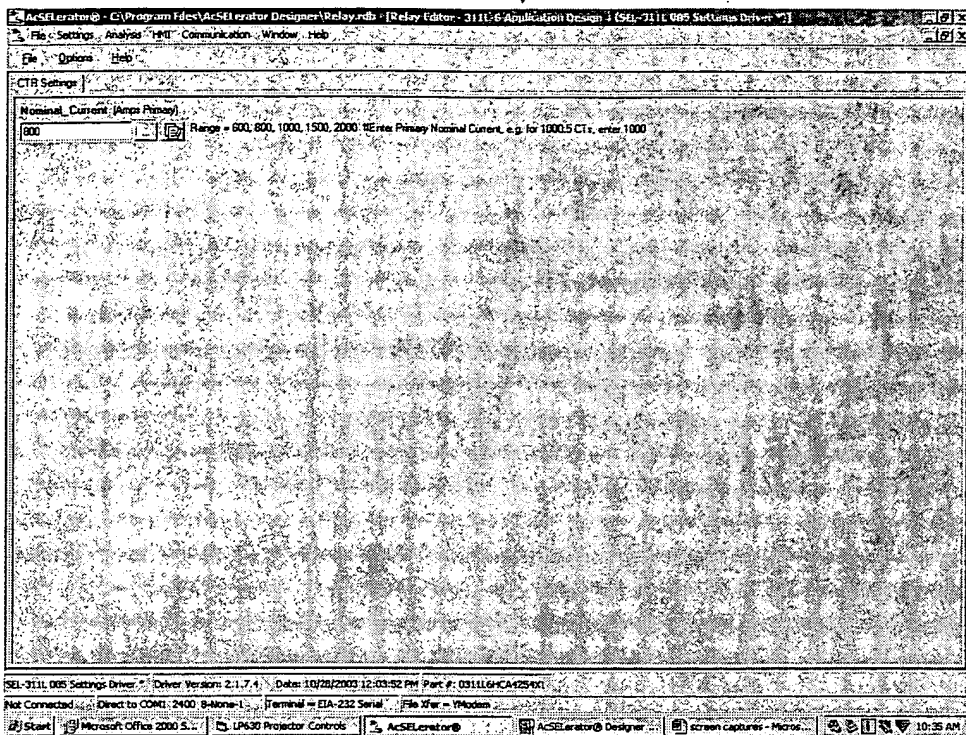


FIG. 8F

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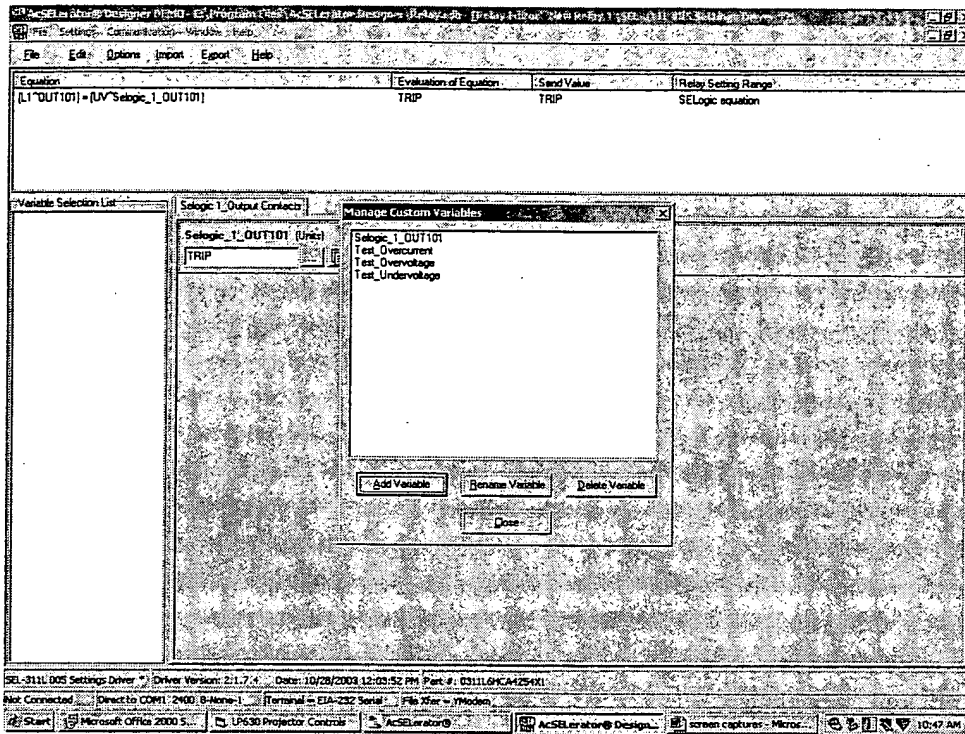


FIG. 9A

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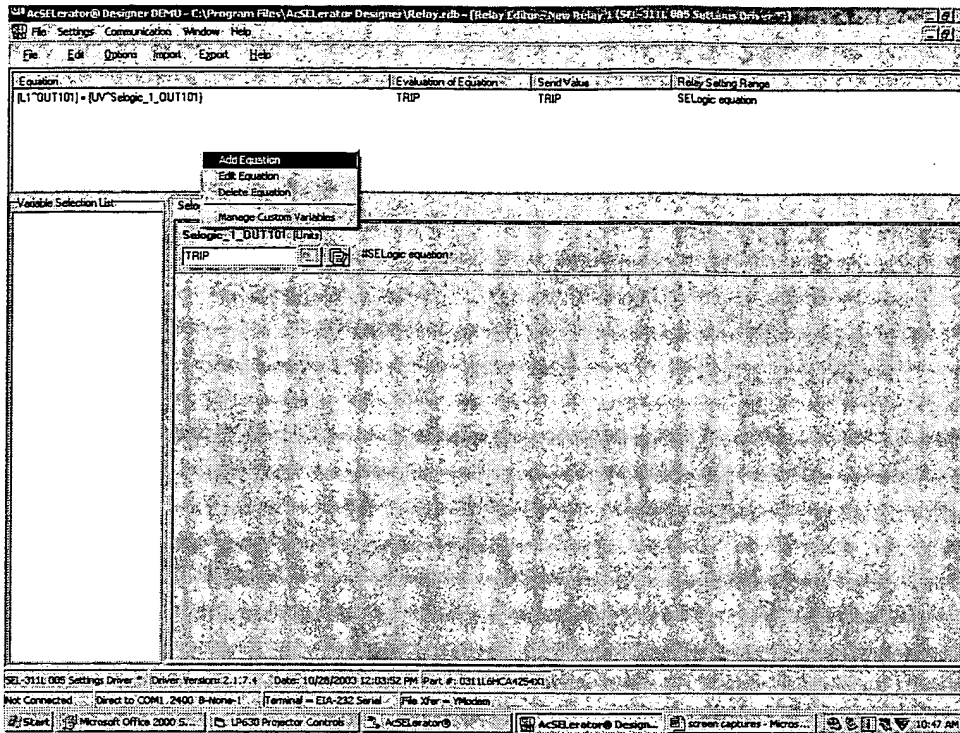


FIG. 9B

ACSElator v2.1.2.4 - Project File: C:\Users\user\Documents\ACSElator\ACSElator2124\ACSElator2124.rtd

File Settings Simulator Window Help

File Edit Options Input Export Help

Equation Evaluation of Equation Send Value Relay Setting Range

L1*OUT101 = (UV*SElogic_1_OUT101) TRIP TRIP SELogic equation

Equation Builder

Variable Selector

Relay Settings

Custom Variables

SElogic_1_OUT101...
Test_Overcurrent
Test_Overvoltage
Test_UnderVoltage

(R8*SIG) + (R8*SOPI) + (R8*SIG)

Apply

Close

And Or Not

Double-click or click-and-drag to add elements and variables to your expression.

Relay Settings

Custom Variables

Relay Word Bit

Analog Quantities

2011.LOG	320F	50LB	51GTC	55N2	67P
2021.LOG	320GE	50LC	51P	55O	67P
2031.LOG	320R	50LG	51PR	55S	67P
2041.LOG	32VE	50PI	51PT	55V1	67P
2051.LOG	32Z	50P2	51PTC	55V2	67P
2061.LOG	32CB	50P3	51Q	55V3	67P
25A1	3PD	50Q1	51QR	55V5	67P
25A2	3PDX	50Q2	51QT	55V6	67P
27A	3POY	50Q3	51QTC	55V7	67Q
27AB	50_S1	50Q4	52A	55V8	67Q
27B	50AB	50QF	52AA	55V9	67Q
27B1	50G1	50QR	52AB	55V10	67Q
27B2	50G2	50R2	52AC	55V11	67Q
27C	50G3	50RA	52A	55V12	67Q
27CA	50G4	50RB	52AB	55V13	67Q
27S	50GF	50RC	52B	55V14	67Q
325F	50GR	50RG	52C	55V15	67Q
32GR	50G	50IG	52D	55V16	67Q
32E	50L2	51GR	52CA	55V17	67Q
32GE	50LA	51GT	52N1	55V18	67Q

Left: <Group> <Setting> Range = <None Selected>

SE-311L-005 Settings Drive 2 | Driver Version: 2.1.2.4 | Date: 10/28/2003 12:03:52 PM Part #: 0311L6HCA254K1

Not Connected | Direct to COM1, 2400 B-None-1 | Terminal = EIA-232 Serial | File xfer = Ymodem

Start Microsoft Office 2000 S... LP630 Projector Controls ACSElator v2.1.2.4

ACSElator v2.1.2.4 Design... screen captures: Micro... 10:53 AM

FIG. 9C

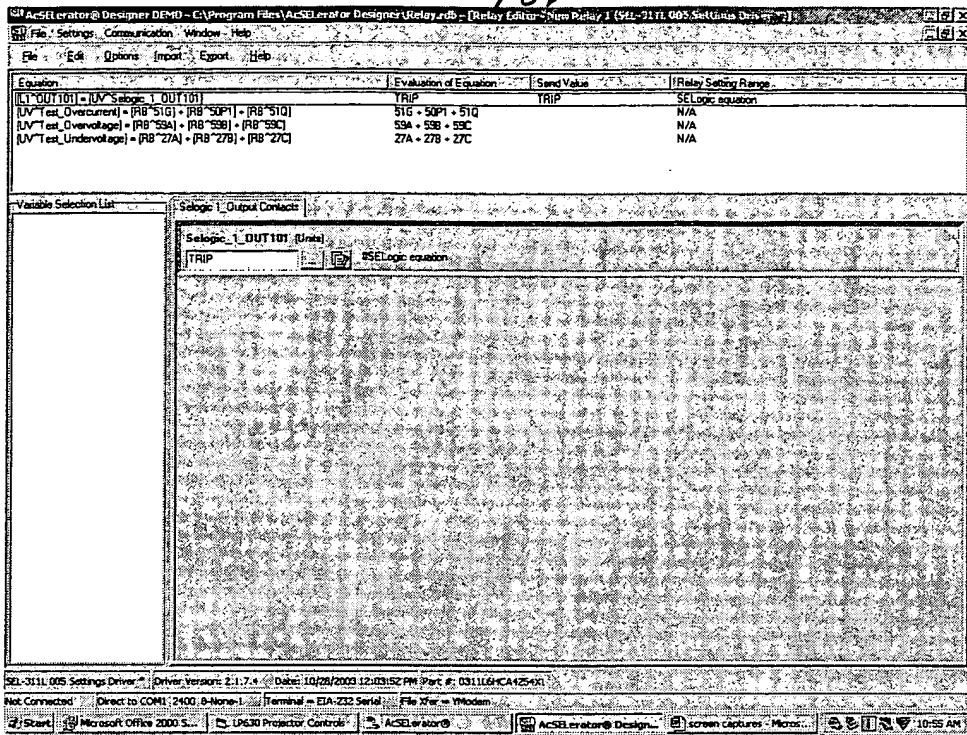


FIG. 9D

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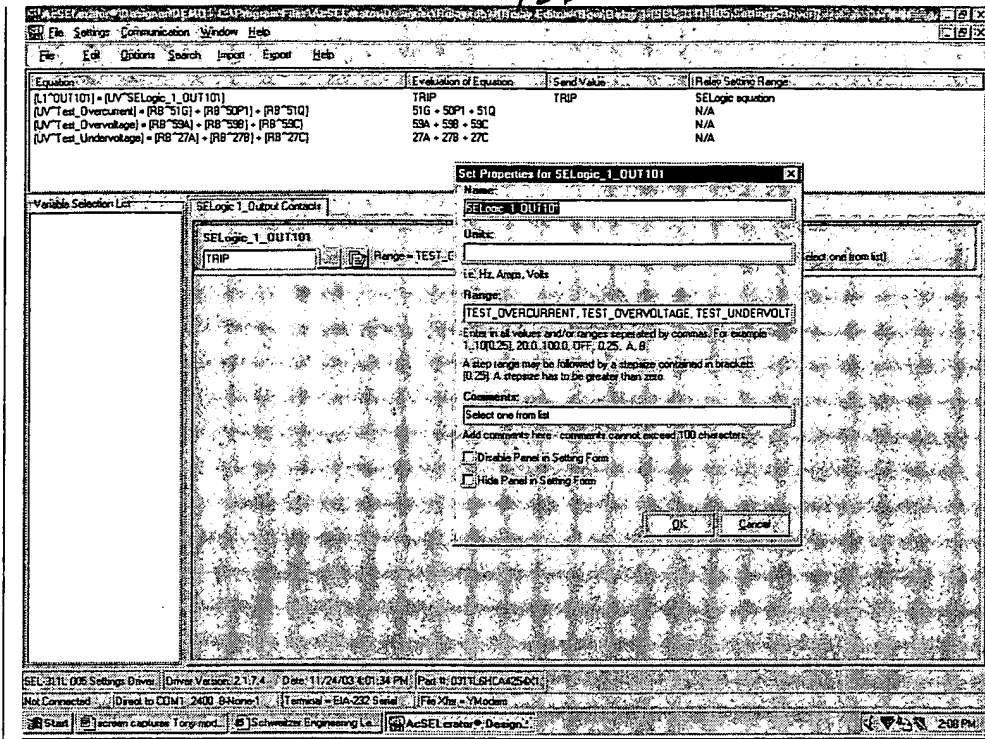


FIG. 9E

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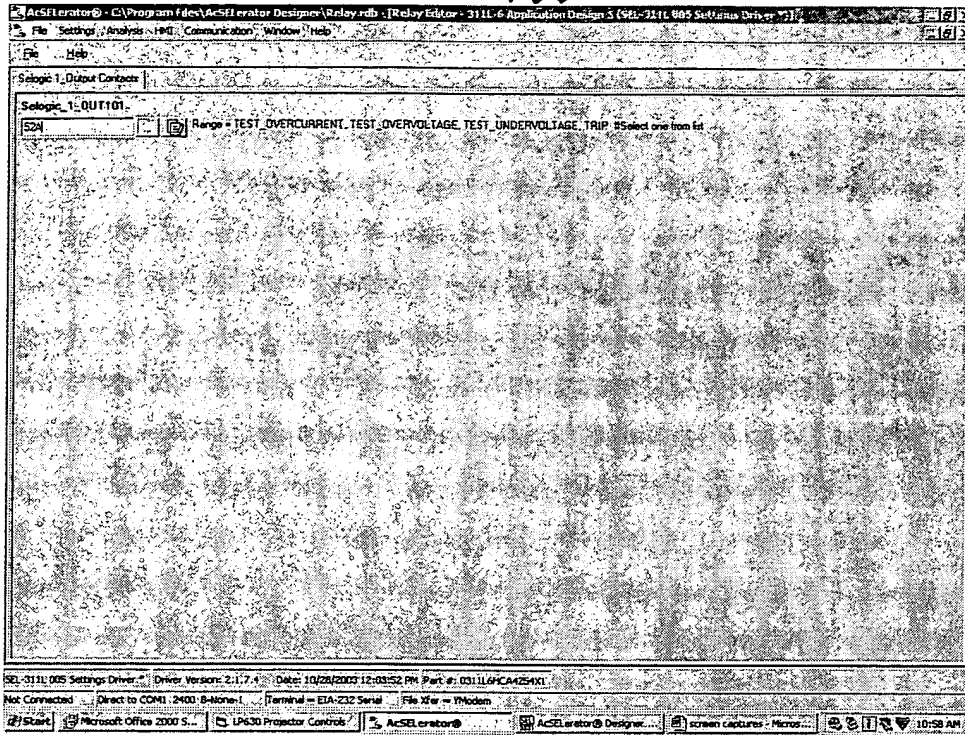


FIG. 9F

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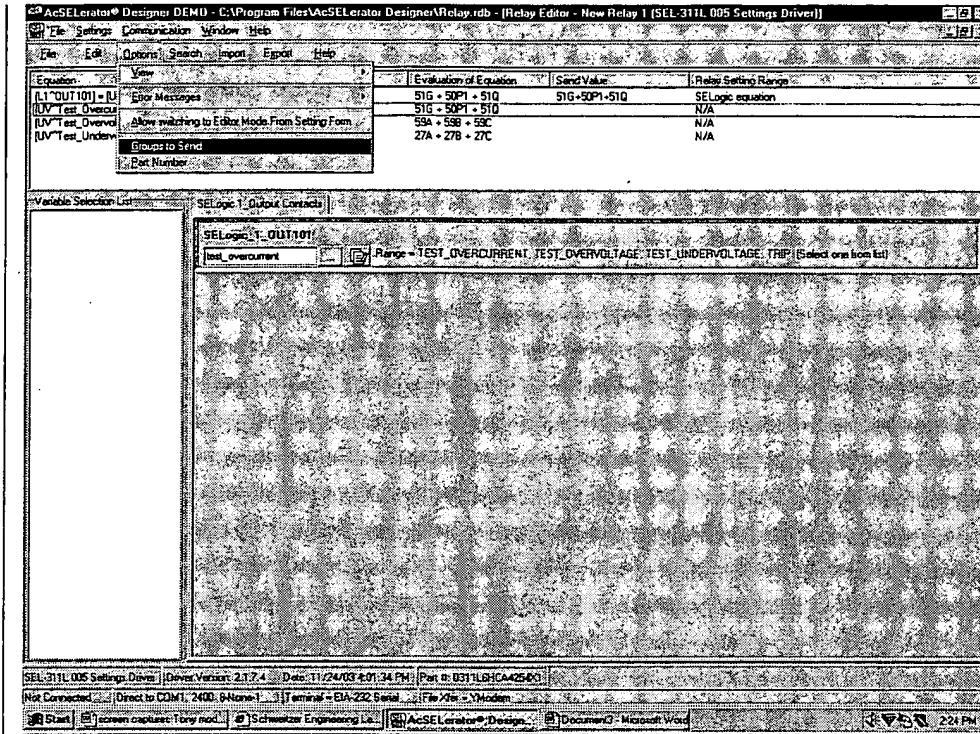


FIG. 10A

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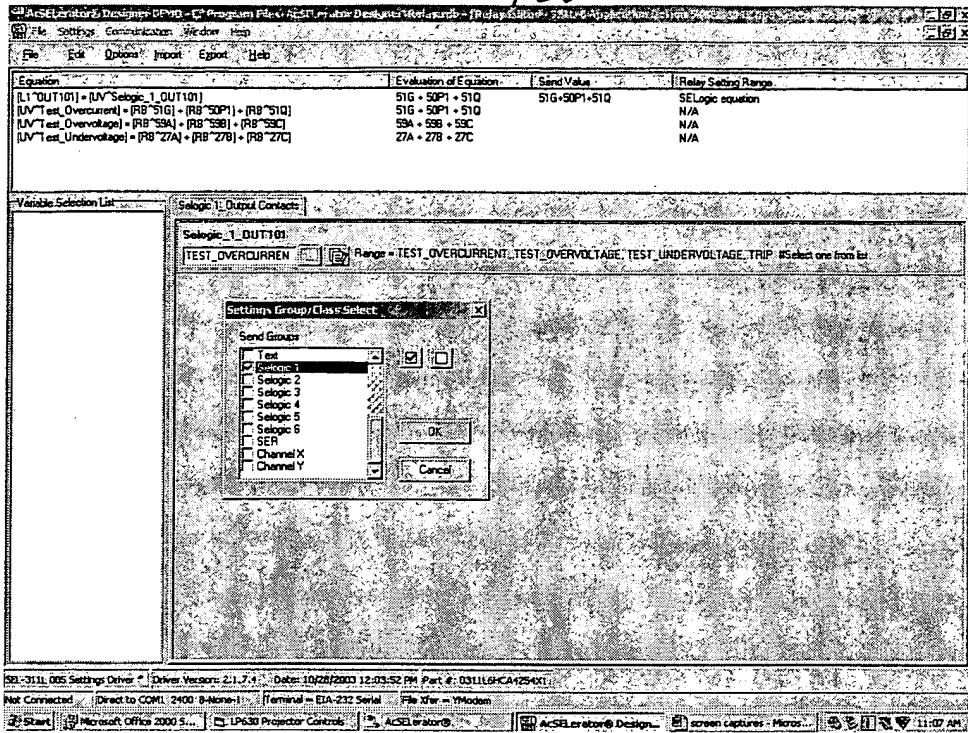


FIG.10B

FIG. 11A 35/36

AcSBEraform Designer C:\Documents and Settings\jefmc\Desktop\APC 651R 2 03 04.rdb [Relay Editor - New Relay 2 (SEL-651R 003)]

File Settings Configuration Window Help

File Edit Options Search Import Export Help

Equation	Evaluation of Equation	Send Value	Relay Setting Range
(1~CTR) = (UV~CT_Ratio)	1.0	1.0	1.0..6000.0
(1~50P1P) = (UV~Group_1_50P1P)	OFF	OFF	0.05..20.00, OFF

Variable Selection List

Configuration Setting in Range

CT_Ratio
1.0 Range = 1.0..6000.0

Group_1_50P1P
OFF Range = 50.00..20000.00, OFF

Set Properties for Group_1_50P1P

Name: Group_1_50P1P

Units:

i.e. Hz, Amps, Volts

Range: 50.00/CT_Ratio..20000.00/CT_Ratio, OFF

Enter in all values and/or ranges separated by commas. For example 1..10(0.25), 20.0..100.0, OFF, 0.25

A step range may be followed by a stepsize contained in brackets [0.25].
A stepsize has to be greater than zero.

Comments:

Add comments here - comments cannot exceed 100 characters.

☐ Disable Panel in Setting Form

☐ Hide Panel in Setting Form

OK Cancel

SEL-651R 003 Settings Driver Driver Version: 2.1.10.24 Date: 2/16/2004 12:15:56 PM Part #: 0651R011AAX211130X

Not Connected Direct to COM0 2400 8-None-1 Terminal = EIA-232 Serial File Xfer = YModem Debug

FIG. 11B

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AcSElator® Designer - C:\Documents and Settings\jeffmc\Desktop\APC 651R 2_03_04.rdb - [Relay Editor - New Relay 2 (SEL-651R.003...]

File Settings Communication Window Help

File Edit Options Search Import Export Help

Equation	Evaluation of Equation	Send Value	Relay Setting Range
[1] CTR = [UV] CT_Ratio	1000.0	1000.0	1.0..6000.0
[1] 50P1P = [UV] Group_1_50P1P	OFF	OFF	0.05..20.00, OFF

Variable Selection List

Configuration Setting in Range

CT_Ratio
1000.0 Range = 1.0..6000.0

Group_1_50P1P
OFF Range = 0.05..20.00, OFF

SEL-651R 003 Settings Driver Driver Version: 2.1.10.24 Date: 2/16/2004 12:15:56 PM Part #: 0651R011AAX211130X

Not Connected Direct to COM0 2400 8-None-1 Terminal = EIA-232 Serial File Xfer = YModem Debug